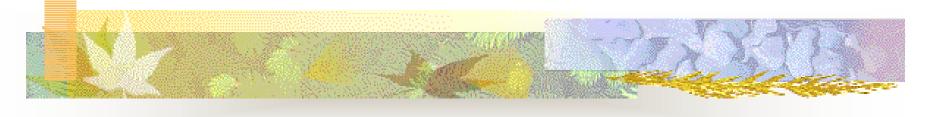
Bringing It All Together: Managing a Raccoon Strain Rabies Outbreak



Nancy Niehus, RS

Lake County (Ohio) General Health District

Timeline of Events



Northeast Ohio to Michigan MAPQUEST .-100mi 100km Quebec Lake Ontario Wisconsin Michigan Huron Canada Oshawa Madison Toronto United Flint New States of York London Detroit **America** Chicago lowa Erie Cleveland Pennsylvania Pittsburgh Harrisburg Ohio Illinois Indiana Cincinnati Springfield West Virginia Missouri Kentucky Virginia Louisville @ 2006 MapQuest, Inc.

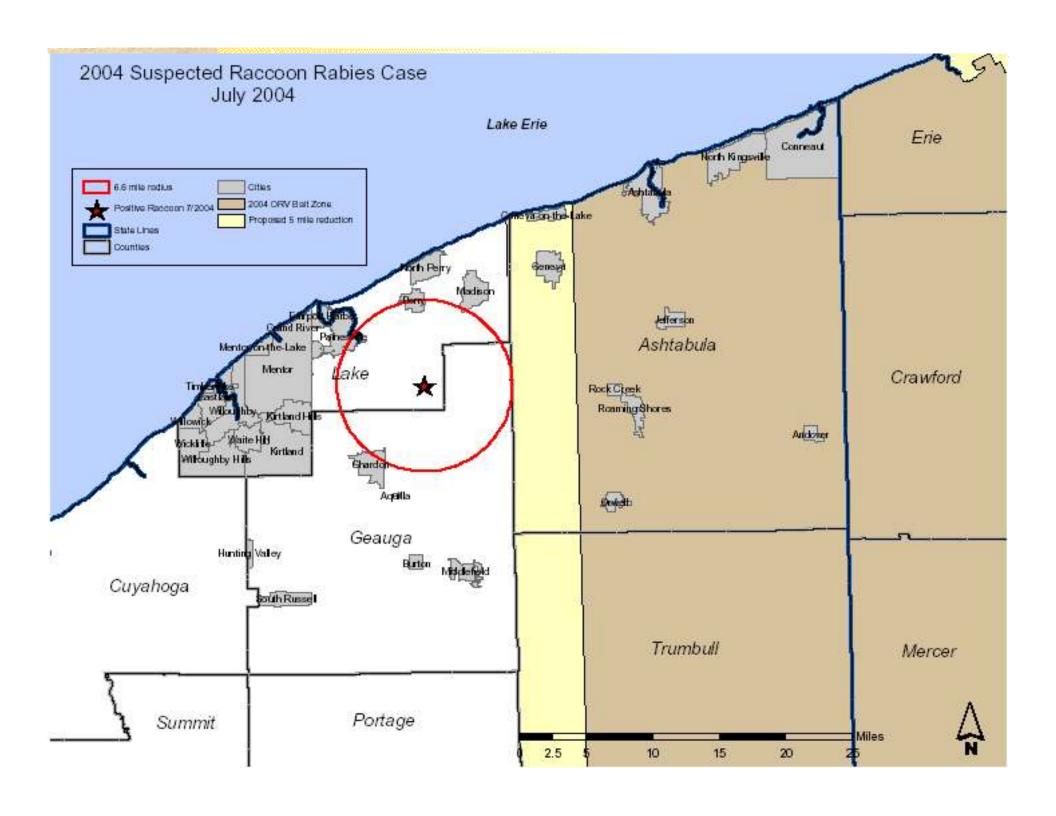
Our Pre-2004 Rabies Experience



This is Where it All Began...







Meet Daisy



A Not-So-Typical Exposure



- Raccoon enters home and scuffles with elderly dog July 16, 2004. Humans also exposed. Typical Friday afternoon!
- Rabies confirmedJuly 20, 2004.Typical Monday!!

The Rest of the Timeline

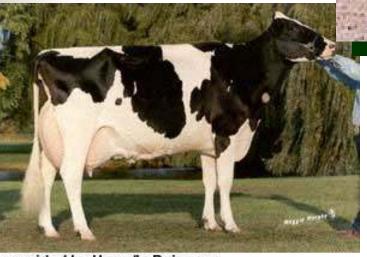
- July 23, one week after the "incident," CDC confirmed RSR. USDA needs surveillance samples to assess situation.
- First conference call July 26. Other counties asked to help with surveillance.
- July 27, wrote first press release and held press conference. TV and radio interviews.
- July 28, convened Rabies Task Force.

Our Work Continued...

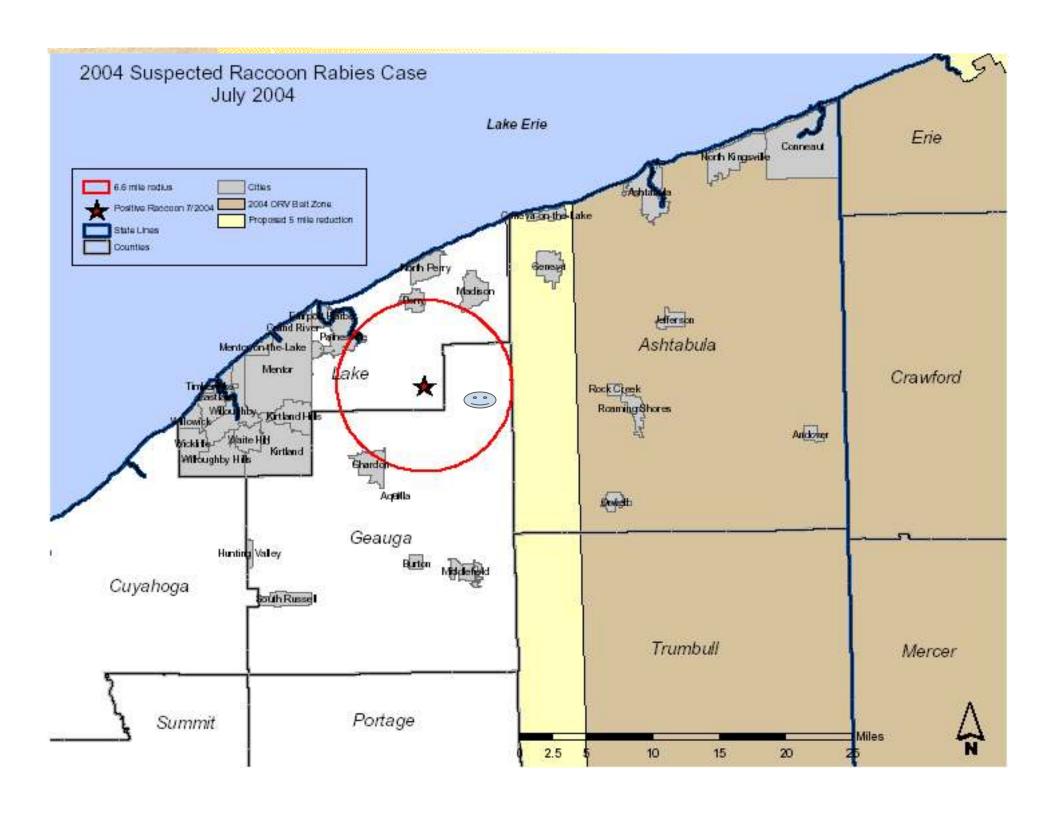
- July 28 extra staff assigned to answer phone calls
- July 29 held government officials meeting; news release about ORV
- August 2 mailed special issue of Vet Vigil
- August 5 ORV aerial and ground baiting
- August 23 began planning rabies vaccination clinics for dogs, cats, and ferrets
- 26 positives confirmed within 30 days NE Ohio

Why Should I Worry?





provided by Hoard's Dairyman



Partnerships and Relationships



Our Partners





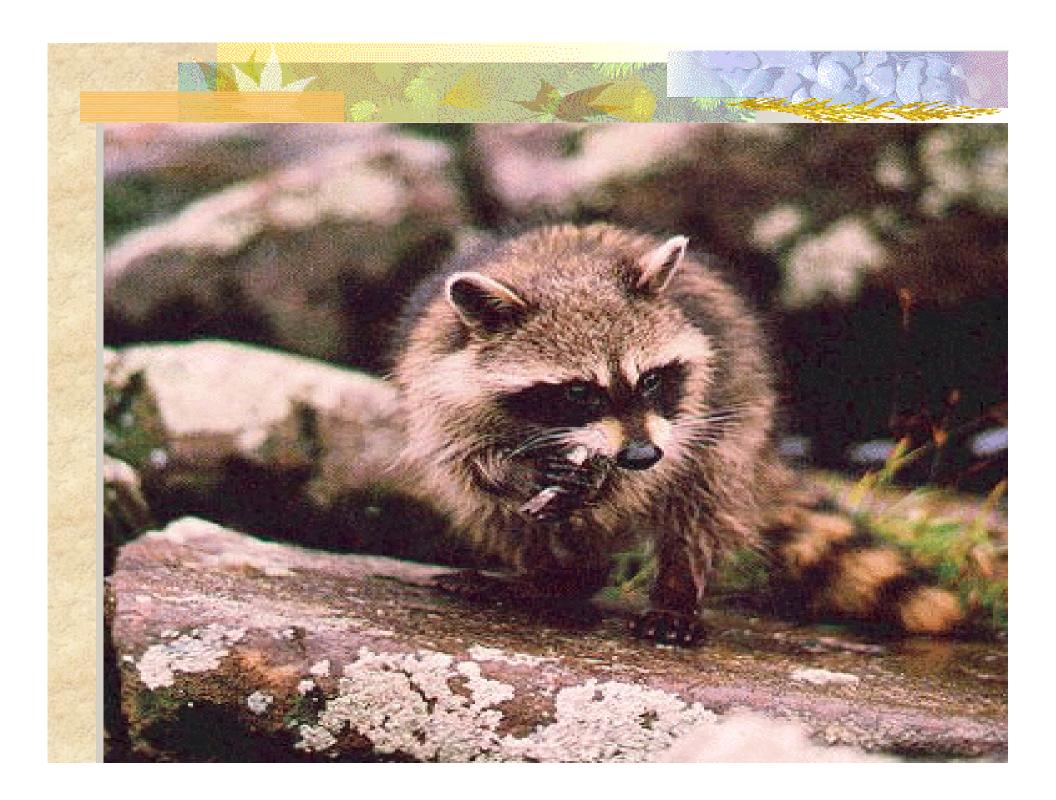


Important Relationships

- Law Enforcement
- County and City Park Systems
- Community Leaders
 - Administration
 - Service Department
- County Government Officials
- Medical Community

In-House Partners

- Health Promotion and Planning
- Community and Public Health Nursing
- Vector Control
- Other Environmental Health divisions
- Support staff



Local Assistance to USDA



I'm Not a Rabies Expert!



- Locals can provide valuable assistance to state and federal agencies
- Locals are expert at knowing their agencies, government, politics, and communities
- Use established relationships to network and communicate

Wildlife Service's Mobile Office and Processing Trailer



What Can We Do to Help?

By making ourselves available to help,
 WS and ODNR were able to conduct the field work that was necessary to assess our problem.



Wildlife Services wanted about 100 animals as quickly as possible for initial surveillance. By calling trappers, police, service departments and road crews, we were able to quickly meet their demand.

WANTED for rabies testing



Raccoons that:

- are sick or acting strange
- * had contact with pets or livestock
- * have bitten or attacked a person

We need your help to stop this dangerous disease.

For further information:

Surveillance Pick-up Crew



Ground Baiting Totals								
Season			# Ground					
	Miles	Hours	Baits					
Fall, 2004	750	147	22,833					
Spring, 2005	1,062	173	22,160					
Fall, 2005	1,493	184	22,320					
Total	3,305	504	67,313					







What We've Done



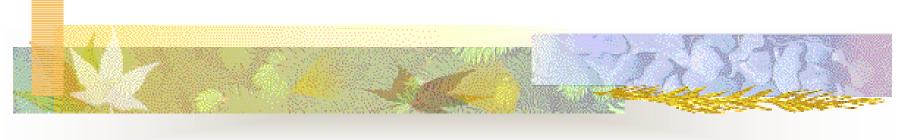
- Provided Assistance to State & Federal Agencies
- Notified Political Subdivisions
- Notified Professional Communities
- Distributed 50,000Baiting Pamphlets
- Notified Local Police and Road Crews
- Rabies Task Force Meeting

More of What We've Done



- Active Surveillance-ODH Contract
- Mass Dog/Cat Rabies Vaccination Clinics
- Strategies for Increased Enforcement of Mandatory Vaccination
- Sentinel Vets
- Considered Regional Rabies Task Force
- Continued Education

Rabies Task Force



Lake County Rabies Task Force Raccoon Rabies Contingency Plan



- Established June
 1997 to make
 recommendations
 regarding the
 approaching
 epizootic, which
 threatened NE Ohio
 but did not arrive
- Meets on as asneeded basis

Rabies Task Force Members

- County Officials: Auditor, Board of Health,
 Dog Warden, Health District
- Nuisance animal trapper
- Hospital Emergency Department
- Law Enforcement: Police and park ranger
- Park Wildlife Center animal rehabilitator
- ODNR Wildlife Officer
- Veterinarians
- County Extension Agent

Raccoon Rabies Contingency Plan

- Important contact phone numbers
- Response procedures for confirmed RSR
- Sample news releases
- Sample letters of information to schools, law enforcement, and other agencies
- List of local nuisance wildlife trappers
- Revised as needed

Concerns From the Public



The Phone Never Stopped Ringing

- Additional staff were needed to answer RSR-related calls.
- Approximately 50
 calls/day were fielded
 for the first few
 months.



Be Prepared for Lots of Questions...



- Can I buy my own ORV bait?
- I have a raccoon in a live trap. What should I do?
- Can you stop my neighbor from feeding the raccoons?
- My unvaccinated dog got in a fight with a raccoon.What should I do?

Our Best Resources



Human Rabies Prevention — United States, 1999

Recommendations of the Advisory Committee on Immunization Practices (ACIP)

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention (CDC)
Atlanta, Georgia 30333

-Compendium of Animal Rabies Prevention and Control, 2001 National Association of Stat. Page 1 of 8



Compendium of Animal Rabies Prevention and Control, 2001 National Association of State Public Health Veterinarians, Inc.*

This report is being published as a courtesy to both the National Association of State Public Health Veterinerians, Inc., and to the MMWR conferring. Its publication does not imply endorsament by cross.

The purpose of this composition is to provide rabies information to vastriantians, public health officials, and others concerned with rabies prevention and control. These recommendations serve as the basis for animal rabies-control programs throughout five United States and facilities standardization of procedures among jurisdictions, thereby contributing to on effective national rabies-control programs. This document is overload annually and revised on accessary. Vaccination procedure recommendations are contained in Part E, all arimal rabies vaccines licensed by the United States are listed in Part II; Part III details the principles of rabies control.

Part I: Recommendations for Parenteral Vaccination Procedures

A. Vaccine Administration

All united rabics vaccines should be restricted to use by, or under the direct supervision of, a

B. Vaccine Selection

Part II lists all vaccious il comed by USDA and methods in the United States at the time of publication. Now vocation approvals or changes in label specifications made unbasquant to publication should be considered as part of this list. Vaccines used in state and local rabio-occurred programs should have a 3-year function of immunity. This commitmes the most effective method of increasing the proportion of immunited days and cuts in early population.

C. Route of Inoculation

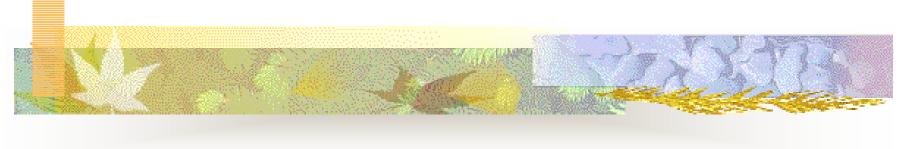
All vaccines must be administered in accordance with the specifications of the product label or pushage insert. Adverse reactions and vaccine failures should be reported to USDA, Animal and Plant Health Inspection Service, Center for Veterinary Biologics at (800) 752-6255 or by e-mail at CVB@bask.pov.

D. Wildlife and Hybrid Animal Vaccination

http://www.cdc.gov/mmwrjpreview/mmwrhimi/m5008a1.htm

6/6/200

Increase Rabies Awareness





Low Cost Rabies Vaccinations

\$2,00

Dogs 💠

Cats

Ferrets

4 Months and Older

February 27, 2006 5:30-7:30 PM Leroy Township Fine Hall 13028 Leroy Center Read Leroy Township

September 27, 2006 5:00 PM — 7:00 PM Bill Stanton Park 5585 Chapel Rood Madison Township June 7, 2006 5:00-8:00 PM Lake County Faingrounds—4-H &ldg. 1301 Mentor Avenue Painesville Township

November 1, 2006 5:00 PM—7:00 PM Eastlake Service Sarage Sastlake City Hell Roots 91 and Lake Shore Sivel. Sastlake

- No Appointment Necessary
- Cosh Only
- Pets Must Be Restrained (on a leash or in a corrier).

Clinic Sponsored by the Lake County General Health District, Lercy Township Trustees, Lercy Township Pire Department, Modison Township, and City of Eastlake.

Valunteer Veterinarians On. Alvin J. Brown from Concord Veterinary Hospital; On. Joel Percival from Kirtland Veterinary Hospital; and Dr. Robert Slobody and Dr. Javanovik of Meadowlands Veterinary Center will give vaccinations.

Vaccinations will be valid for one year. You will receive a tag and a certificate.

For more information, call 440-350-2417.

See www.loghd.org for dates of future rabies clinical



Rabies Vaccination Clinic





Another Successful Clinic





Service Garage Clinic Site





Community Center Clinic Site





2005 Rabies Vaccination Clinics									
Location	Vet	Date	# Dogs	# Cats	# Ferrets	Total			
Leroy	Joel Percival	2/28/05	95	81	4	180			
Painesville	Alvin Brown	6/7/05	288	133	9	430			
Madison	Alvin Brown	10/5/05	172	150	3	325			
Eastlake	Alvin Brown	11/2/05	230	139	8	377			
Total			785	503	24	1,312			





Keep Rabies in the News

- Speak to reporters as often as possible
- Write articles for community newsletters
- Make speakers available for presentations
- Communication with sportsmen and trappers
- Web site articles
- Update staff regularly so they have the facts and can speak intelligently about rabies

Questions